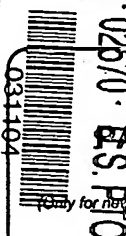




| | | |
|--|------------------------|--|
|  UTILITY PATENT APPLICATION TRANSMITTAL <small>(Only for new non provisional applications under 37 CFR 1.53 (b))</small> | Attorney Docket No. | 83231 |
| | First Inventor | FREEMAN, Will |
| | Title | Matching Feed Partially Inside a Waveguide Ridge |
| | Express Mail label No. | EF347573945US |

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents

ADDRESS TO:Mail Stop Patent Application
Commissioner for Patents
PO Box 1450
Alexandria VA 22313-1450

1. ☒ Fee Transmittal Form
(Submit an original, and a duplicate for the processing)

2. ☐ Applicant claims small entity status
See 37 CFR 1.27

3. ☒ Specification (Total pages 17)
(preferred arrangement set forth below)

-Descriptive title of the invention
 -Cross References to Related Applications
 -Statement Regarding Fed sponsored R & D
 -Reference to sequence listing, a table,
 or a computer program listing appendix
 -Background of the Invention
 -Brief Summary of the Invention
 -Brief Description of the Drawings (if filed)
 -Detailed Description
 -Claim(s)
 -Abstract of the Disclosure

4. ☒ Drawing(s) (35 U.S.C. 113) (Total sheets 3)

5. Oath or Declaration (Total sheets 2)

- a. ☒ Newly executed (original or copy)

- b. ☐ Copy from a prior application (37 CFR 1.63(d))

(for continuation / divisional with Box 18 completed)

- i. ☐ Deletion of Inventor(s)

Signed statement attached deleting inventor(s)
 named in the prior application, see 37 C.F.R.
 1.63(d)(2) and 1.33(b)

6. ☐ Application Data Sheet See 37 CFR 1.76

7. ☐ CD-ROM or CD-R in duplicate, large table or
Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
- a. ☐ Computer Readable Form (CRF)
- b. Specification Sequence Listing on:
- i. ☐ CD-ROM or CD-R (2 copies); or
- ii. ☐ paper
- c. ☐ Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. ☒ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement (when there is an assignee) ☐ Power of Attorney
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies Of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. ☐ Nonpublication Request under 35 U.S.C. 122
(b)(2)(B)(i). Applicant must attach form PTO/SB/35
or its equivalent.
17. ☐ Other

18. If a CONTINUING APPLICATION check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in a Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.:

Prior application information:

Examiner

Group/Art Unit

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS☒ Customer Number 24129or ☐ Correspondence Address Below

Name

Address

City

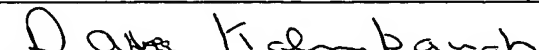
State

Zip Code

Country

Telephone

Fax

| | | | |
|-----------|---|-----------------------------------|-------------|
| Name | David S. Kalmbaugh | Registration No. (Attorney/Agent) | 29,234 |
| Signature |  | Date | 11 Mar 2004 |

This collection of information is required by 37 CFR 1.53(b). The information is required or obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

22386 U.S. PTO
10/801165
031104

**FEE TRANSMITTAL
FOR FY 2004**

Effective 01/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27TOTAL AMOUNT OF PAYMENT **\$828.00****Complete if known**

Application Number

Filing Date

First Named Inventor

FREEMAN, Will

Examiner Name

Art Unit

Attorney Docket No.

83231

METHOD OF PAYMENT (check all that apply)☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☒ Deposit AccountDeposit
Account
Number
Deposit
Account
Name

50-0931

NAWCWD - Pt Mugu/ China Lake

The Director is authorized to: (check all that apply)

☒ Charge fee (s) indicated below ☒ Credit any overpayments☒ Charge any additional fee (s) or any underpayment of fee(s)☐ Charge fee (s) indicated below, except for the filing fee to the above - identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

| Large Entity | | Small Entity | | Fee Description | Fee Paid |
|--------------|----------|--------------|----------|------------------------|----------|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | | |
| 1001 | 770 | 2001 | 385 | Utility filing fee | \$770.00 |
| 1002 | 340 | 2002 | 175 | Design filing fee | |
| 1003 | 530 | 2003 | 265 | Plant filing fee | |
| 1004 | 770 | 2004 | 385 | Reissue filing fee | |
| 1005 | 160 | 2005 | 80 | Provisional filing fee | |
| SUBTOTAL (1) | | | | | \$770.00 |

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

| Extra Claims | | Fee from below | |
|--------------------|--------------|----------------|--------------|
| Total Claims | 21 -20** = 1 | X | 18 = \$18.00 |
| Independent Claims | 3 -3** = 0 | X | 86 = |
| Multiple Dependent | | | 0 = |

| Large Entity | | Small Entity | | Fee Description |
|--------------|----------|--------------|----------|--|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | |
| 1202 | 18 | 2202 | 9 | Claims in excess of 20 |
| 1201 | 86 | 2201 | 43 | Independent claims in excess of 3 |
| 1203 | 290 | 2203 | 145 | Multiple dependent claim, if not paid |
| 1204 | 86 | 2204 | 43 | ** Reissue independent claims over original patent |
| 1205 | 18 | 2205 | 9 | ** Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) **\$18.00**

** or number previously paid, if greater; For Reissues, see above

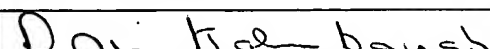
FEE CALCULATION (continued)**3. ADDITIONAL FEES**

| Large Entity | | Small Entity | | Fee Description | Fee Paid |
|---------------------|----------|--------------|----------|--|----------|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | | |
| 1051 | 130 | 2051 | 65 | Surcharge - late filing fee or oath | |
| 1052 | 50 | 2052 | 25 | Surcharge - late provisional filing fee or cover sheet | |
| 1053 | 130 | 1053 | 130 | Non-English specification | |
| 1812 | 2,520 | 1812 | 2,520 | For filing a request for ex parte reexamination | |
| 1804 | 920* | 1804 | 920* | Requesting publication of SIR prior to Examiner action | |
| 1805 | 1,840* | 1805 | 1,840* | Requesting publication of SIR after Examiner action | |
| 1251 | 110 | 2251 | 55 | Extension for reply within first month | |
| 1252 | 420 | 2252 | 210 | Extension for reply within second month | |
| 1253 | 950 | 2253 | 475 | Extension for reply within third month | |
| 1254 | 1,480 | 2254 | 740 | Extension for reply within fourth month | |
| 1255 | 2,010 | 2255 | 1,005 | Extension for reply within fifth month | |
| 1401 | 330 | 2401 | 165 | Notice of Appeal | |
| 1402 | 330 | 2402 | 165 | Filing a brief in support of an appeal | |
| 1403 | 290 | 2403 | 145 | Request for oral hearing | |
| 1451 | 1,510 | 1451 | 1,510 | Petition to institute a public use proceeding | |
| 1452 | 110 | 2452 | 55 | Petition to revive - unavoidable | |
| 1453 | 1,330 | 2453 | 655 | Petition to revive - unintentional | |
| 1501 | 1,330 | 2501 | 655 | Utility issue fee (or reissue) | |
| 1502 | 480 | 2502 | 240 | Design issue fee | |
| 1503 | 640 | 2503 | 320 | Plant issue fee | |
| 1460 | 130 | 1460 | 130 | Petitions to the Commissioner | |
| 1807 | 50 | 1807 | 50 | Processing fee under 37 CFR 1.17 (q) | |
| 1806 | 180 | 1806 | 180 | Submission of Information Disclosure Stmt | |
| 8021 | 40 | 8021 | 40 | Recording each patent assignment per property (times number of properties) | \$40.00 |
| 1809 | 770 | 2809 | 385 | Filing a submission after final rejection (37 CFR 1.129(a)) | |
| 1810 | 770 | 2810 | 385 | For each additional invention to be examined (37 CFR 1.129 (b)) | |
| 1801 | 770 | 2801 | 385 | Request for Continued Examination (RCE) | |
| 1802 | 900 | 1802 | 900 | Request for expedited examination of a design application | |
| Other fee (specify) | | | | | |
| SUBTOTAL (3) | | | | | \$40.00 |

* Reduced by Basic Filing Fee Paid

SUBMITTED BY

(Complete if applicable)

| | | | | | |
|--------------------|---|-------------------------------------|--------|-----------|----------------|
| Name (Print/ Type) | David S. Kalmbaugh | Registration No. (Attorney / Agent) | 29,234 | Telephone | (805) 989-8266 |
| Signature |  | | | Date | 11 Mar 2004 |

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.53(b). The information is required or obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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FORM 8-3 Express Mail Certificate

Navy Case No. **83231**

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: FREEMAN, Will

Application No.:

Group No.:

Filed:

Examiner:

For: MATCHING FEED PARTIALLY INSIDE A WAVEGUIDE RIDGE

Mail Stop: Patent Application
Commissioner For Patents
P.O. Box 1450
Alexandria, VA 22313-1450

EXPRESS MAIL CERTIFICATE

“Express Mail” label number EF347573945US

Date of Deposit: March 11, 2004

I hereby state that the following

Attached

Paper(s) or Fee(s)

| | |
|-------------------------------|----------|
| Transmittal Form | 1 Pages |
| Fee Transmittal (Orig & Copy) | 2 Pages |
| Application | 17 Page |
| Drawings | 3 Sheets |
| Recordation (Orig. & Copy) | 2 Pages |
| Assignment | 1 Page |
| Declaration | 2 Pages |
| Postcard | 1 Card |

Are being deposited with the United States Postal Service “Express Mail Post Office to Addressee” service Under 37 C.F.R. 1.10, on the date indicated above and is addressed to Mail Stop: Patent Application, Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313-1450

David S. Kalmbaugh

Typed or printed name of person mailing paper or fee

David Kalmbaugh
Signature of person mailing paper or fee